

Second Preliminary Amendment

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Response to Notice to File Missing Parts dated November 20, 2003.

AMENDMENT TO THE SPECIFICATION

Please delete the Abstract on Page 56 and 57 in its entirety and replace with the following amended Abstract of Disclosure:

ABSTRACT OF DISCLOSURE

The invention relates to a method of detecting and localizing malignant tumours and their metastases in tissues, which in healthy condition do not contain disturbing quantities of CCK-receptors, in the body of a human being, which comprises (i) administering to said being a composition comprising, in a quantity sufficient for external imaging, a labelled peptide derived from a compound of general formula H - (Xaa)_n - (Xbb)_m - Tyr - Xcc - Gly - Trp - Xdd - Asp - Phe - R₂ (I) or an acid amide thereof, formed between a free NH₂-group of an amino acid moiety and R₁COOH, wherein R₁ is a (C₁-C₃)alkanoyl group, an arylcarbonyl group, or an aryl-(C₁-C₃)alkanoyl group; or a lactam thereof, formed between a free NH₂ group of an amino acid moiety and a free CO₂H group of another amino acid moiety; or a conjugate thereof with avidin or biotin. ~~biotin; wherein: (Xaa)_n stands for 0 to 25 amino acid moieties which are equal or different and are selected from Ala, Leu, Asn, Dpr, Gln, Glu, Ser, Ile, Met, His, Asp, Lys, Gly, Thr, Pro, Pyr, Arg, Tyr, Trp, Val and Phe; m = 0 or 1; Xbb is Asp, Dpr, Glu or Pyr, with the proviso that Xbb can only be Pyr when n = 0; Xcc is Met, Leu or Nle; Xdd is Met, Leu or Nle; and R₂ is a hydroxy group, an acetoxy group or an amino group; and thereupon (ii) subjecting said being to external imaging, by radioactive scanning or by magnetic resonance imaging, to determine the targeted sites in the body of said being. The invention further relates to a method for the therapeutic treatment of said malignant tumours by administration of the above-defined peptide, labelled for this purpose. The invention also relates to a method for labelling of the peptide compounds, to a pharmaceutical composition to be used for detection, to a pharmaceutical composition to be used for therapy and to a kit for preparing a radiopharmaceutical composition.~~